Request to Archive
With The National Centers for Environmental Information
For NCEP Grumbine High Resolution Sea Ice
Provided by NOAA/NCEP

2015-09-14

This information will be used by NCEI to conduct an appraisal and make a decision on the request.

1. Who is the primary point of contact for this request?

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2. Name the organization or group responsible for creating the dataset.

DOC/NOAA/NWS/NCEP > National Centers for Environmental Prediction, National Weather Service, NOAA, U.S. Department of Commerce

3. Provide an overview summarizing the scope of data you want to archive. Describe the outputs, data variables, including their measurement resolution and coverage.

This data set is near real-time sea ice concentrations generated from microwave satellite data by Grumbine at NCEP. It is daily global ice concentration in GRIB format.The spatial resolution is 1/12 degree.
The time period covers from 27 August 2004 to present.

4. What is the time period covered by the dataset? (YYYY-MM-DD, YYYY-MM or YYYY)

From 2004-08-27
Ongoing as continuous updates to the data record

5. Edition or version number(s) of the dataset:

N/A

6. Approximate date when the dataset was or will be released to the public:

2013

7. Who are the expected users of the archived data? How will the archived data be used?

This dataset is used as input for the production of the Optimum Interpolated Sea Surface Temperature (OISST) analysis.

8. Has the dataset undergone user evaluation and/or an independent review process? Did NCEI participate in design reviews?

We converted the high resolution ice to half degree ice coverage at NCEI. The results are the same as the half degree ice at NCEP.

9. Describe the dataset's relationship to other archived datasets, such as earlier versions or related source data. If this is a new version, how does it improve upon the previous version(s)?

There is an lower resolution (1/2 degree) sea ice concentration data set in archive.
They are from the same produce.

10. List the input datasets and ancillary information used to produce the data.

The MMAB ice fields are produced from a passive microwave sensor (AMSR-E as of May 2009; SSMI from F-15 and SSMI-S from F-17 since June 2012).

11. List web pages and other links that provide information on the data.

The metadata embedded in the data files are:
analysis date, spatial resolution, scan direction, maximum and minimum value, etc.
More detail refer to:
http://www.nco.ncep.noaa.gov/pmb/docs/grib2/grib2_doc.shtm

12. List the kinds of documents, metadata and code that are available for archiving. For example, data format specifications, user guides, algorithm documentation, metadata compliant with a standard such as ISO 19115, source code, platform/instrument metadata, data/process flow diagrams, etc.

1. http://polar.ncep.noaa.gov/seaice/
   ftp://ftp.polar.ncep.noaa.gov/pub/pub/cdas/README
   ftp://ftp.polar.ncep.noaa.gov/pub/pub/cdas/README.using.grids

13. Indicate the data file format(s).

1. GRIB 2

14. Are the data files compressed?

gzip

15. Provide details on how the files are named and how they are organized (e.g., file_name_pattern_YYYYMM.tar in monthly aggregations).

ice5min.yyyymm.gz
eng5min.grib2.yyyymmdd

16. Explain how to access sample data files and/or a file listing for previewing. If it is not available now, when will it be available?

polar.ncep.noaa.gov/cdas

17. What is the total data volume to be submitted?

Historic Data: all historic data or data submitted as a completed collection.

Total Data Volume:	2GB
Number of Data Files:	132

Continuous Data: data volume rate for a continuous data production.

Total Data Volume Rate:	430KB per Day
Data File Frequency:	1 per Day
Data Production Start:	2005-09

18. Are later updates, revisions or replacement files anticipated? If so, explain the conditions for submitting these additional data to the archive.

No additional updates, revisions or replacement data are anticipated.

19. Describe the server that will connect to the ingest server at NCEI for submitting the data.

Physical Location: 5830 University Research Court College Park, MD 20740
System Name: ftpprd.ncep.noaa.gov
System Owner: NOAA/NCEP/EMC/MMAB
Additional Information:

20. What are the possible methods for submitting the data to NCEI? Select all that apply.

1. FTP PULL
2. FTP PUSH

21. Identify how you would like NCEI to distribute the data. Web access support depends on the resources available for the dataset.

1. Direct download links

22. Will there be any distribution, usage, or other restrictions that apply to the data in the archive?

No known constraints apply to the data.

23. Discuss the rationale for archiving the dataset and the anticipated benefits. Mention any risks associated with not archiving the dataset at NCEI.

This data set is one of the inputs for an operational CDR: OISST.
Archiving this data set provides provenance for the CDR.

24. Are the data archived at another facility or are there plans to do so? Please explain.

No

25. Is there an existing agreement or requirement driving this request to archive? Have you already contacted someone at NCEI?

OISST operation needs all the input data sets to be archived.

26. Do you have a data management plan for your data?

No

27. Have funds been allocated to archive the data at NCEI?

No

28. Identify the affiliated research project, its sponsor, and any project/grant ID as applicable.

N/A

29. Is there a desired deadline for NCEI to archive and provide access to the data?

Archive by: 2015-10-01
Accessible by: 2015-10-01

30. Add any other pertinent information for this request.

None